



Substitute for Form 1449/A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

4

Complete if Known

Application No.

10/750,185

Filing Date

12/31/2003

First Named Inventor

DeNise et al.

Group Art Unit

1637

Examiner Name

Molly E. Baughman

Attorney Docket Number

MMI-0101 (14972.105003)

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	1	H 002,191		Wang	06/05/2007	
	2	H 002,220		Wang	07/01/2008	
	3	5,374,523		Collier et al.	12/20/1994	
	4	5,427,930		Birkenmeyer et al.	06/27/1995	
	5	5,550,024		Rothschild et al.	08/27/1996	
	6	6,077,697		Hadlaczky et al.	06/20/2000	
	7	6,103,466	A	Grobet et al.	08/15/2000	
	8	6,803,190		Rothschild et al.	10/12/2004	
	9	6,919,177		Rothschild et al.	07/19/2005	
	10	2001/0053519		Fodor et al.	12/20/2001	
	11	2002/0069423	A1	Good et al.	06/06/2002	
	12	2002/0073440	A1	Tornell et al.	06/13/2002	
	13	2002/0099194	A1	Efstratiadis et al.	07/25/2002	
	14	2002/0104109	A1	Bremel et al.	08/01/2002	
	15	2002/0108136	A1	Pati et al.	08/08/2002	
	16	2002/0129394	A1	Hisashi et al.	09/12/2002	
	17	2002/0137701	A1	Lee et al.	09/26/2002	
	18	2003/0103962	A1	Campbell et al.	06/05/2003	
	19	2003/0190314	A1	Campbell et al.	10/09/2003	
	20	2003/0190619	A1	Chang et al.	10/09/2003	
	21	2003/0194730	A1	Nagaraju, J.	10/16/2003	
	22	2005/0287531	A1	DeNise et al.	12/29/2005	
	23	2007/0031845	A1	DeNise et al.	02/08/2007	
	24	2007/0172848	A1	Rothschild et al.	07/26/2007	
	25	2008/0268454	A1	DeNise et al.	10/30/2008	
Examiner Signature	/Molly Baughman/				Date Considered	02/17/2009

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)					Complete if Known					
					Application No.		10/750,185			
					Filing Date		12/31/2003			
					First Named Inventor		DeNise et al.			
					Group Art Unit		1637			
					Examiner Name		Molly E. Baughman			
Sheet	2	of	4	Attorney Docket Number		MMI-0101 (14972.105003)				
<b>FOREIGN PATENT DOCUMENTS</b>										
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>		
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)						
	26	EP	1 059 840	B1	Kristoffer Larsen Innovation A/S	10/01/2003				
	27	EP	1 226 752	A1	Kyowa Hakko Kogyo Co., Ltd.	07/31/2002				
	28	EP	1 238 584	A1	Director General of National Ag. Research Organization	09/11/2002				
	29	EP	1 352 971	A2	Sequenom, Inc.	10/15/2003				
	30	WO	2002/040666	A2	Xenon Genetics Inc.	05/23/2002				
	31	WO	2002/070709	A2	Incyte Genomics, Inc.	09/12/2002				
	32	WO	2003/076573	A2	The Texas A & M University System	09/18/2003				
	33	WO	2003/076657	A2	Arysta Lifesciences Corporation	09/18/2003				
	34	WO	2003/081990	A2	St. Jude Children's Research Hospital	10/09/2003				
	35	WO	2004/061124	A2	MMI Genomics, Inc.	07/22/2004				
	36	WO	2004/061125	A2	MMI Genomics, Inc.	07/22/2004				

Examiner Signature	/Molly Baughman/	Date Considered	02/17/2009
-----------------------	------------------	--------------------	------------

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete if Known	
				Application No.	10/750,185
				Filing Date	12/31/2003
				First Named Inventor	DeNise et al.
				Group Art Unit	1637
				Examiner Name	Molly E. Baughman
Sheet	3	of	4	Attorney Docket Number	MMI-0101 (14972.105003)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>6</sup>
	37	Author: Title: Product #1256, Random Primer 24 Publ: New England Biolabs Catalog Vol/Iss: Pages: 121 Date: 01/01/1998			
	38	Author: Title: Genometrix's High-Throughput VistaMorph Genotyping Services Selected by AniGenics to Identify Novel Traits in Livestock Publ: AniGenics Inc. Press Release Vol/Iss: Pages: 1-2 Date: 03/14/2001			
	39	Author: Title: AniGenics Announces Innovative R&D Alliance: New Animal Genomics Company Creates Coalition of Animal Genomics Research Institutions Publ: AniGenics Inc. Press Release Vol/Iss: Pages: 1-2 Date: 07/24/2000			
	40	Author: Title: Animal Genomics Company to Use First Detailed Human-Cattle Comparative Genomic Map: AniGenics Will Use Map to Develop New Production Traits for Cattle and New Human and Veterinary Drug Targets Publ: AniGenics Inc. Press Release Vol/Iss: Pages: 1-2 Date: 09/13/2000			
	41	Author: ADAMS et al. Title: Use of a Random Human BAC end Sequence Database for Sequence-Map Building - GenBank Accession No: AQ112913 Publ: GenBank Accession No: AQ112913 Vol/Iss: Pages: Date: 01/01/1998			
	42	Author: AKHTER et al. Title: Bos taurus Clone RP42-360C18 Publ: GenBank Accession No: AC092085 Vol/Iss: Pages: 1-55 Date: 01/01/2002			
	43	Author: CIOBANU et al. Title: Evidence of New Alleles in the Protein Kinase Adenosine Monophosphate-Activated γ3-Subunit Gene Associates with Low Glycogen Content in Pig Skeletal Muscle and Improved Meat Quality Publ: Genetics Vol/Iss: 159 (3) Pages: 1151-1162 Date: 11/01/2001			

Examiner Signature	/Molly Baughman/	Date Considered	02/17/2009
--------------------	------------------	-----------------	------------

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete if Known	
				Application No.	10/750,185
				Filing Date	12/31/2003
				First Named Inventor	DeNise et al.
				Group Art Unit	1637
				Examiner Name	Molly E. Baughman
Sheet	4	of	4	Attorney Docket Number	MMI-0101 (14972.105003)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>6</sup>
	44	Author: DEKKERS et al. Title: The Use of Molecular Genetics in the Improvement of Agricultural Populations  Publ: Nature  Vol/Iss: 3 Pages: 22-32 Date: 01/01/2002			
	45	Author: NOLLAU et al. Title: Methods for Detection of Point Mutations: Performance and Quality Assessment  Publ: Clinical Chemistry  Vol/Iss: 43 (7) Pages: 1114-1128 Date: 01/01/1997			
	46	Author: ROTHSCHILD et al. Title: The Estrogen Receptor Locus is Associated with a Major Gene Influencing Litter Size in Pigs  Publ: Proc. Natl. Acad. Sci.  Vol/Iss: 93 Pages: 201-205 Date: 01/01/1996			
	47	Author: ROTHSCHILD, M. F. Title: Patenting of Genetic Innovations in Animal Breeding  Publ: 7th World Congress on Genetics Applied to Livestock Production  Vol/Iss: Pages: 1-8 Date: 08/19/2002			

Examiner Signature	/Molly Baughman/	Date Considered	02/17/2009
--------------------	------------------	-----------------	------------

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.